Abstract

Enterprise Resource Planning (ERP) is a complex integrated system and has the functionality to manage the business processes of a company or organization. Often ERP sentences are associated with large companies. Because ERP is synonymous with the implementation process that requires companies to spend a lot of money. Open source ERP is a solution for companies or organizations in implementing ERP with no cost. In the implementation of open source ERP does not depend on the size of any company or organization, the most important thing is to have almost the same business processes. In this study aims to analyze and implement the ERP system in the Student Cooperative (Kopma) as well as testing to find out how long this system can be understood by new users and the time required new users in changing the system. The implementation of the Point of Sale, Purchase Management, Inventory Management and Accounting and Finance modules is done because Kopma does not have a system that can connect each division to support the running of business processes and the need for systems that can automate the needs and business processes of Kopma. The results of this study indicate that the analysis and implementation of ERP can improve the business process Kopma and get the total quality Usability of 72.96% and Flexibility 71.5%.

Keywords: ERP, Open Source, Odoo Point of Sale, Odoo Purchase Management, Odoo Inventory Management, Odoo Accounting and Finance